

JP56063818 Biblio**MANUFACTURE OF ZEOLITE MOLDED BODY**

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Abstract

PURPOSE: To manufacture a zeolite molded body with superior mechanical strength and wear resistance by mixing powdered or granular zeolite and urea in the presence of water followed by molding, drying and calcination.

CONSTITUTION: Water is added to powdered or granular and natural or synthetic zeolite of ≤ 20 mesh grain size so as to adjust the water content to 25-40%, and 0.5-15wt% urea is added optionally together with a clay binder such as kaolin or bentonite. They are then mixed for 1-5hr, and this mixture is molded, dried at about 100 deg.C, and calcined at 360-730 deg.C to obtain a zeolite molded body capable of maintaining the adsorption characteristic over a long term.

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